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Preliminary annotated checklist of the Trichoptera (Insecta) of Alaska

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Abstract: This paper presents distributional data for all species of Trichoptera recorded from Alaska to date, in the literature, and from previously unrecorded collections. Fourteen families, 62 genera, and 145 species are listed.

KEY INDEX WORDS: *Alaska, caddisflies, checklist, Insecta, Trichoptera.*

Introduction

Alaska is relatively unknown entomologically, not least with regard to the Trichoptera fauna which, to date, has been known only as scattered records in the literature. Given the place occupied by the State in biogeographic studies, this situation can only be regarded as unfortunate.

This paper is an attempt to gather up these scattered records as a preliminary inventory of the Trichoptera fauna of the State.

Records have been obtained from: the literature; material collected by myself in 1979; material in the collection of the US Dept. of Agriculture at Palmer; various small contributions from other collectors, which has been passed on to me; and, not least, the records of Richard Vineyard, of Juneau, from SE Alaska (the 'Panhandle').

Recorded here are 14 families, 62 genera, and 145 species. The first two figures are firm for this paper. The number of species is minimum for this paper inasmuch as some genera are, for various reasons given in the list, without species names attached at this time. Such genera are counted as single species. Undoubtedly there are many more species, at least, awaiting discovery as part of the State fauna. Also, most species recorded here are known from only one or a very few localities. Much basic collecting yet remains to be done.

The families are arranged alphabetically, as are the genera within families, and the species within genera. This is the format of Wiggins (1977).

Abbreviations of collection names used in this list are as follows: *BM(NH)*—British Museum (Natural History), London, England; *CA*—California Academy of Sciences, San Francisco, California, USA; *CNC*—Canadian National Collection, Ottawa, Ontario, Canada; *EMMS*—Entomology Museum, Michigan State University, East Lansing, Michigan, USA; *Halpin*—Halpin collection (location unknown); *INHS*—Illinois Natural History Survey, Urbana, Illinois, USA; *MCZ*—Museum of Comparative Zoology, Harvard University, Cambridge, Massachussetts, USA; *OSU*—Ohio State University; *ROM*—Royal Ontario Museum, Toronto, Ontario, Canada; *UM*—Montana State University, Bozeman, Montana, USA; *USDA Palmer*—United States Dept of Agriculture Experiment Station, Palmer, Alaska, USA; *USNM*—United States National Museum, Washington, DC, USA; *VIN*—Richard Vineyard, Juneau, Alaska, USA.

For some material recorded here, there is no depository mentioned. In such instances the paper, from which the record was obtained, is cited in place of the depository designation.

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Family Arctopsychidae

Arctopsyche ladogenis (Kolenati)
Holy Cross, Lower Yukon R., 2.vii.51 (C. O. Berg) *INHS*; Upper Gulkana R., .55 (G. O. Schumann) *INHS*.

Parapsyche elsis Milne
Sashin Ck, Little Port Walter, Baranof Is, 1.viii.68 (R. J. Ellis) (Ellis, 1978); Brown Bear Ck, Sitkoh Bay, Chichagof Is, 19.vi.79 (LARVAE) (R. N. Vineyard) *VIN*; ck, Lk. Kathleen, NW Admiralty Is, 27.viii.79

Family Brachycentridae

Brachycentrus americanus (Banks)
Reported as larvae, from near mouth of Atigun R., north slope Brooks Range (Slack, Nauman, & Tilly, 1979).

Micrasema bactro Ross
Staney Ck, Prince of Wales Is, 30.vii.77 (P. Cardinal) *UM*; SE Alaska, (Vineyard, 1981).

M. kluane Ross & Morse
Steese Hwy, ck between Fairbanks & Eagle, 4.vii.68 (Goeden & Jewett) (Ross & Morse, 1973); Tolsoma Ck, Glenn Hwy, 25.6 km E Tazlina (Goeden & Jewett) (Ross & Morse, 1973).

M. morosum (McLachlan)
Pt Barrow, 1885 (Murdoch). Doubtful record according to Fischer (1970).

M. scissum McLachlan
Pt Barrow, 30.vii.49 (N. Weber) (Weber, 1950); Pt Barrow, 27.vi., 28.vi., & 28.vii.77, 23.vii.75 (M. Butler) (Chapin, 1978); St Lawrence Is, Bering Str., ?.viii.1897 (Baron Nordenskiöld) *BM(NH)*; Nanushuk R., 68°24'N, 150°30'W, 22.vii.49 (N. Weber) (Weber, 1950); sedge bog 16 km E Denali, 13.viii.56 (R. Rausch) (Chapin, 1978).

Family Calamoceratidae

Heteroplectron californicum McLachlan
Alaska, (Essig, 1926:177).

Family Glossosomatidae

Glossosoma alascense Banks
Popof Is, (Banks, 1900); SE Alaska, (Vineyard, 1981).

G. intermedium (Klapalek)
12.8 km NE Palmer, 19.vi.54 (R. Rausch).

G. penitum Banks
Sashin Ck, Baranof Is, 19.vii., 27.viii. (R. J. Ellis) (Ellis, 1978); Staney Ck, Prince of Wales Is, 9.viii.78 (P. Cardinal) *UM*.

G. verdona Ross
Pinguicula Lk, ck, Kodiak Is, 16-30.vi.62 (C. H. Lindroth) (Lindroth & Ball, 1968); SE Alaska, (Vineyard, 1981).

Family Hydropsychidae

Cheumatopsyche spp.
This genus has been reported as larvae from islands in SE Alaska (R. N. Vineyard, *pers. comm.*).

Hydropsyche alternans (Walker)
Medeltna Ck, Glenn Hwy, 30.vi.68 (Goeden & Jewett) *INHS*.

H. amblis Ross
SE Alaska, (Vineyard, 1981).

H. oslari Ross
Staney Ck, Prince of Wales Is, 17.viii.78 (P. Cardinal) *UM*.

H. riola Denning
Anchorage, 24 km N, 3-22.viii.48 (Sailer, Sonneman, & Nielsen) *INHS*; Matanuska Valley, 2.viii.52 (C. O. Berg) *INHS*; Fire Ck, Palmer Hwy, 25.6 km N Anchorage, 14.vi.-6.vii.50 (D. A. Sleeper) *INHS*.

Family Hydroptilidae

Agraylea saltesea Ross
Lk Louise, 100 miles NE Anchorage, 3.vii.82 (D. C. Wartinbee) *UA*; SE Alaska, (Vineyard, 1981).

Hydroptila sp.
SE Alaska (LARVAE), (Vineyard, 1981).

Oxyethira sp.
SE Alaska, (Vineyard, 1981).

Stactobiella sp.
SE Alaska, (Vineyard, 1981).

Family Lepidostomatidae

Lepidostoma cascadense (Milne)
Staney Ck, Prince of Wales Is, 10.vi.78 (P. Cardinal) *UM*.

L. roafi (Milne)
Red Lk, Prince of Wales Is, 13.ix.51 (B. Malkin) *CA*; Trapper Ck, Hwy 3, 2.viii.79 (A. P. Nimmo) *CNC*; Sashin Ck, Baranof Is, .vii-ix. (R. J. Ellis) (Ellis, 1978); Staney Ck, Prince of Wales Is, 28.vii.-3.ix.77 (P. Cardinal) *UM*.

L. strophis Ross
Kenai, 4.4 km E, 8.viii.57 (W. B. Bryant) *USNM*.

L. sp.
Vineyard (1981) records a possible new species from southeast Alaska.

Family Leptoceridae

Ceraclea annulicornis (Stephens)
Alaska, (Lehmkuhl & Kerst, 1979).

C. cancellata (Betten)
Staney Ck, Prince of Wales Is, 27.vii.78 (P. Cardinal) *UM*.

C. nigronervosa Retzius
Bare Lk, marsh, Kodiak Is, 16-30.vi.62 (G. E. Ball) (Lindroth & Ball, 1969).

Mystacides alafimbriata Hill-Griffin
Windfall Lk, Juneau area, 27.vii.80 (R. N. Vineyard) *VIN*; Brooks Lk, 8.vii.53, *INHS*; Gene's Lk, Kenai Peninsula, 21.vi.54 (R. Rausch) *INHS*; Bare Lk, Kodiak Is, 1.vii.62, *ROM*; Old John Lk, 28.vii.50, *INHS*; Yakutat, 21.vi.1899, *USNM*; Mayflower Lk, Kodiak Is, 9.vii.82 (D. C. Wartinbee) *UA*; Bull Lk, Kodiak Is, 13.vii.82 (D. C. Wartinbee) *UA*; Cutthroat Lk, Prince of Wales Is, 2.vii.78 (P. Cardinal) *UM*; SE Alaska, (Vineyard, 1981).

M. interjecta (Banks)
Alaska Hwy, mile 1, 470, 13.vii.54 (Yamamoto & Wiggins, 1964—as *longicornis* (L.)); Big Lk, nr Wasilla, 18.viii.55 (R.

Rausch) *INHS*; Moose Lk, 22.4 km W Tok, 8.vii.81 (R. N. Vineyard) *VIN*.

M. sepulchralis (Walker)
Naknek R., King Salmon, 16.vii.52, *CNC*; Old John Lk, 27-28.vii.50, *INHS*; Kuguroruk R., 3.2 km from mouth, 5.viii.81 (S. T. Elliott) *VIN*.

Nectopsyche albida (Walker)
Alaska, (Ross, 1944:301).
Ross recorded *Leptocella* (is *Nectopsyche*) *uwarowii* (Kolenati) from Alaska, stating that *uwarowii* is unidentified. Milne (1934:14, 19) synonymised *uwarowii* with *albida*. In the event that *albida* is not present in Alaska, at least Ross seems to have had cause to record the genus from the State.

Oecetis inconspicua (Walker)
SE Alaska, (Vineyard, 1981).

O. ochracea (Curtis)
Palmer, 20.vii.60 (R. H. Washburn) *USDA Palmer*; Big Lk, nr Wasilla, 18.viii.55 (R. Rausch) *INHS*.

Triaenodella tarda (Milne)
Jeeptrap, Fairbanks, 10.vii.67 (K. M. Sommerman) *INHS*.

Ylodes frontalis (Banks)
Ray Mts, lake 208 km NW Fairbanks, 18.viii.79 (L. Halpin) *Halpin*; Big Lk, nr Wasilla, 18., 23.viii.55 (R. Rausch) *INHS*; Gene's Lk, Kenai Peninsula, 6-8.viii.57 (Rausch & Hilliard) *INHS*; Moose Lk, 22.4 km W Tok, 8.vii.81 (R. N. Vineyard) *VIN*.

Y. kaszabi Schmid
Trapper Ck. Hwy 3, 2.viii.79 (A. P. Nimmo) *CNC*.

Family Limnephilidae

Anabolia consocia (Walker)
St Paul Is, (Ulmer, 1932—as *Arctoecia*); Alaska, (Banks, 1923—as *Arctoecia*).

Apatania crymophila McLachlan
Lk Louise, 100 mi. NE Anchorage, 3.vii.82 (D. C. Wartinbee) *UA*; Alaska, (Nimmo, 1971).

A. stigmatella (Zetterstedt)
Trapper Ck, Hwy 3, 2.viii.79 (A. P. Nimmo) *CNC*.

A. zonella (Zetterstedt)
Point Barrow, 29.vii.49 (N. A. Weber) (Weber, 1950); Tolugak Lk, Anuktuvuk Pass, 23.vii.49 (N. A. Weber) (Weber, 1950).
Both records as *Radema arcticum* Boheman.

Arctopora trimaculata (Zetterstedt)
Osoko, (Schmid, 1952—as *Lenarchulus*).

Asymarchus cinnamoneus Schmid
Alaska, (Ross & Spencer, 1952).

A. iteratus (McLachlan)
Fairbanks, 11.viii.61 (R. H. Washburn) *USDA Palmer*; Teller, 29.vii.13 (F. Johansen) *CNC* & *MCZ* (Banks, 1918—as *Anabolia emarginata* Banks).

A. lapponicus (Zetterstedt)
St Paul Is, (Banks, 1900—as *Anabolia*); St George, (Ulmer, 1932).

A. montanus (Banks)
Alaska, (Ross & Merkly, 1952—as *Limnephilus batchewana* Denning).

Chilostigmodes areolata (Walker)
Palmer, 24.iv.61 (R. H. Washburn) *USDA Palmer*; Eagle R. flats, Anchorage, 7.iv.48 (F. L. Blanton) (Schmid, 1952b).

Chyranda centralis (Banks)
East Ck, Young Bay, Admiralty Is, 22.vii.80 (R. N. Vineyard) *VIN*; Palmer, 21.ix.61 (R. H. Washburn) *USDA Palmer*; Sashin Ck, Baranof Is, 29.vii. (R. J. Ellis) (Ellis, 1978); Shasta Ck, Kodiak Is, 16-30.vi.62 (G. E. Ball) (Lindroth & Ball, 1969); Amara Lk, marsh, Kodiak Is, 16-30.vi.62 (G. E. Ball) (Lindroth & Ball, 1969); Bare Lk, marsh, Kodiak Is, 16-30.vi.62 (G. E. Ball) (Lindroth & Ball, 1969); Staney Ck, Prince of Wales Is, 4-29.vii.77 (P. Cardinal) *UM*.

Clistoronia flavicollis (Banks)
Pinguicula Lk, Kodiak Is, 16-30.vi.62 (C. H. Lindroth) (Lindroth & Ball, 1969); SE Alaska, (Vineyard, 1981).

C. magnifica (Banks)
Lk Louise, 100 mi. NE Anchorage, 3.vii.82 (D. C. Wartinbee) *UA*; SE Alaska, (Vineyard, 1981).

Clostoeca ? disjuncta (Banks)
Flint (1960) mentions that larvae similar to *C. disjuncta* (Banks), from Alaska, were examined by him.

Cryptochia sp.
SE Alaska. Vineyard (1981) reports larvae of this genus.

Dicosmoecus atripes (Hagen)
Sashin Ck, Baranof Is, .vii-ix., (R. J. Ellis) (Ellis, 1978); Staney Ck, Prince of Wales Is, 3.vi.-21.viii.77 (P. Cardinal) *UM*.

D. obscuripennis Banks
Hwy 2, creek 55 km W Delta, 28.vii.79 (A. P. Nimmo) *CNC*.

Ecclisocosmoecus scylla (Milne)
Hwy 3, creek at mile 140, 2.viii.79 (A. P. Nimmo) *CNC*; Thane, 9.vii.58 (W.V.F.) *USDA Palmer*; Sashin Ck, Baranof Is, .vii-ix. (R. J. Ellis) (Ellis, 1978); Staney Ck, Prince of Wales Is, 28.vii.-10.viii.77 (P. Cardinal) *UM*; N Fork Staney Ck, Prince of Wales Is, 3, 26.vii., 2.viii.78 (P. Cardinal) *UM*; Tye Ck, Prince of Wales Is, 28.vii.78 (P. Cardinal) *UM*.

Ecclisomyia conspersa Banks
Hwy 3, creek 2.5 km S east fork Chilitna R., 2.viii.79 (A. P. Nimmo) *CNC*; Clear Ck, Hwy 2, 93.8 km W Delta, 28.vii.79 (DEAD) (A. P. Nimmo) *CNC*; Hwy 3, creek 171.2 km S Fairbanks, 31.vii.79 (A. P. Nimmo) *CNC*; Summit Ck, Hwy 1, S Portage, 3.viii.79 (A. P. Nimmo) *CNC*; Trap Bay, Chichagof Is, 7.viii.80 (R. N. Vineyard) *VIN*; Lemon Ck, 22.vi.58 (W.V.F.) *USDA Palmer*; Sashin Ck, Baranof Is, .vi-viii. (R. J. Ellis) (Ellis, 1978); Thunderbird Falls, Eklutna, (Ross, 1950); Goat Ck, 30.4 km N Anchorage, (Ross, 1950); Little Peter Ck, 35.2 km N Anchorage, (Ross, 1950); Bare Lk, Kodiak Is, 16-30.vi.62 (G. E. Ball) (Lindroth & Ball, 1969); Shasta Ck, Kodiak Is, 16-30.vi.62 (G. E. Ball) (Lindroth & Ball, 1969); Pinguicula Ck, Kodiak Is, 16-20.vi.62 (G. E. Ball) (Lindroth & Ball, 1969); Sterling Hwy, mile 65, 9.vi.54 (R. Rausch); Sterling Hwy, mile 102, 9.vi.54 (R. Rausch); Wrench Ck, Noatah R., 4.viii.81 (S. T. Elliott) *VIN*; Staney Ck, Prince of Wales Is, 11.vi.78 (P. Cardinal) *UM*.

Glyphopsyche irrorata (Fabricius)
Palmer, 4.v.79 (D. P. Bleicher) *USDA Palmer*; Palmer, 20., 24., 26.v.59, 22.ix.60 (R. H. Washburn) *USDA Palmer*; Matanuska, 12., 29., 30.iv., 9., 12.v.58 (R. H. Washburn) *USDA Palmer*; Juneau, .x-xii.62, .i-v.74 (R. J. Ellis) (Ellis, 1978); St Mathew Is, 19.viii.54 (R. Rausch); College, 5.viii.69 (E. Berry).

Grammotaulius alascensis Schmid
Summit Lk, Isabella Pass, 3.viii.51 (Mason & McGillis) *CNC*; Dencki Lks, 20.vii.67 (W. D. Berry).

G. interregationis (Zetterstedt)
Medoryuk, 23.viii.60 (R. H. Washburn) *USDA Palmer*.

G. signatipennis McLachlan
Mekoryuk, Numivak Is, 16.viii.60, 26.viii.59 (R. H. Washburn) *USNM*.

G. subborealis Schmid
Naknek R., King Salmon, 9.viii.52 (W. R. Mason) *CNC*; Umiat, 31.vii.59 (J. E. H. Martin) *CNC*; Jago Lk, 20.8 km ENE Mt Michelson, 25.vii., 2.viii.57 (W. Gillis) *EMMS*.

Grensia praeterita (Walker)
Prudhoe Bay, (D. P. Bleicher) *USDA Palmer*; Anuktuvuk Pass, Brooks Range, 30.viii.48, (Weber, 1950); Meade R., (L. Irving) (Weber, 1950); Inaru R., 70°54'N, 156°37'W, 28.ix. (L. Irving) (Weber, 1950); St Mathew Is, 19.viii.54 (R. Rausch); St Paul Is, (van Duzee, 1921—as *Chilostigma*); Ogutoruk Ck area, Cape Thompson region, (Watson, Davis, & Hanson, 1966); SE Alaska, (Vineyard, 1981).

Halesochila taylori (Banks)
Young Bay, Admiralty Is, 1.ix.81 (LARVAE/PUPAE) (R. N. Vineyard) *VIN*.

Hesperophylax spp.
This genus is known from Alaska, but species identification is presently confused. A revision is presently underway at the Royal Ontario Museum.

Homophylax andax Ross
Petersburg, 72 km S, 25.vi.62 (J. R. Plank) (Denning, 1964); Sashin Ck, Baranof Is, 15.vii. (R. J. Ellis) (Ellis, 1978); Staney Ck, Prince of Wales Is, 31.vii.78 (R. Cardinal) *UM*.

H. sp.
Vineyard (1981) records a possible new species from SE Alaska.

Hydatophylax hesperus (Banks)
Alaska, (Wiggins, 1977).

H. variabilis (Martynov)
Nr Anchorage, 15.v.48 (G. Nielson) (Schmid, 1950); N. fork Chena R., Chena Hot Springs rd, 20.v.84 (W. C. Fields) (D. G. Denning, *pers comm.*).

Imania picoides Ross
Katmai, 10.vi.19 (J. S. Hine) *OSU*; Katmai, 12.vii.17, *INHS*.

I. tripunctata (Banks)
Homer, 9.v.54 (R. H. Washburn) *USDA Palmer*; Yakutat, (Ross, 1950); Katmai, 7-28.vii.17, (Ross, 1950); SE Alaska, (Vineyard, 1981).

Ironoquia punctatissima (Walker)
Popof Is, (Banks, 1900).

Lenarchus expansus Martynov
Point Barrow, 14.vii.1898 (E. A. McIllhenny) (Ross, 1941—as *Limnephilus taronus* Ross); Point Barrow, .vii-viii.58 (P. D. Hurd) (MacLean & Pitelka, 1971).

L. gravidus (Hagen)
Alaska, (Banks, 1900—as *Limnephilus*).

L. rillus (Milne)
SE Alaska, (Vineyard, 1981); Staney Ck, Prince of Wales Is, (P. Cardinal) *UM*.

L. vastus (Hagen)
Trap Bay, Chichagof Is, 7.viii.80 (R. N. Vineyard) *VIN*; Ketchikan, .viii.51, 5.ix.55 (R. H. Washburn) *USDA Palmer*; Palmer, 1.viii.61 (R. H. Washburn) *USDA Palmer*; Sashin Ck, Baranof Is, .vii-ix. (R. J. Ellis) (Ellis, 1978); Katmai Is, (Schmid, 1952a); Bare Lk, bog, Kodiak Is, 16-30.vi.62 (G. E. Ball) (Lindroth & Ball, 1969); Amara Lk, marsh, Kodiak Is, 16-30.vi.62 (G. E. Ball) (Lindroth & Ball, 1969); Pinguicula Lk, marsh, Kodiak Is, (C. H. Lindroth) (Lindroth & Ball, 1969); Staney Ck, Prince of Wales Is, 30.vii.-13.viii.77 (P. Cardinal) *UM*.

Limnephilus argenteus Banks
Amara Lk, marsh, Kodiak Is, 16-30.vi.62 (G. E. Ball) (Lindroth & Ball, 1969).

L. atercus Denning
SE Alaska, (Vineyard, 1981).

L. externus Hagen
Ft Yukon, 30.vii.79 (A. P. Nimmo) *CNC*; Palmer, 29.viii.54, 17., 19.ix.59, 18., 26., 28.ix.60, 9.ix.66 (R. H. Washburn) *USDA Palmer*; Fairbanks, 12.viii.61 (R. H. Washburn) *USDA Palmer*; Staney Ck, Prince of Wales Is, 9-24.viii.77 (P. Cardinal) *UM*.

L. fagus Ross
SE Alaska, (Vineyard, 1981).

L. femoralis Kirby
Pinguicula Lk, marsh, Kodiak Is, 16-30.vi.62 (G. E. Ball) (Lindroth & Ball, 1969); Amara Lk, Kodiak Is, 16-30.vi.62 (G. E. Ball) (Lindroth & Ball, 1969).
Both as *nebulosus* Kirby.

L. flavastellus Banks
Alaska, (Ross & Spencer, 1952).
See note under this name in Nimmo & Scudder (1983).

L. fumosus (Banks)
Alaska, (Schmid, 1955); SE Alaska, (Vineyard, 1981).

L. griseus (L.)
Alaska, (Betten, 1934—record very uncertain).

L. harrimani Banks
Trap Bay, Chichagof Is, 3.viii.80 (R. N. Vineyard) *VIN*; Sashin Ck, Baranof Is, .vii-viii. (R. J. Ellis) (R. J. Ellis, 1978); Staney Ck, Prince of Wales Is, 29.vii.-24.viii.77 (P. Cardinal) *UM*.

L. hyalinus Hagen
Ft Yukon, 30.vii.79 (A. P. Nimmo) *CNC*.

L. indivisus Walker
Logging Cabin Ck, Hwy 5, N Tetlin Jct., 4.viii.79 (A. P. Nimmo) *CNC*.

L. infernalis (Banks)
Big Lk, nr Wasilla, 18.viii.55 (R. Rausch) *INHS*.

L. lunonus Ross
Bare Lk, marsh, Kodiak Is, 16-30.vi.62 (G. E. Ball) (Lindroth & Ball, 1969); SE Alaska, (Vineyard, 1981).

L. minusculus Banks
Pinguicula Lk, marsh, Kodiak Is, 16-30.vi.62 (G. E. Ball) (Lindroth & Ball, 1969).

L. nigriceps (Zetterstedt)
Alaska, (Nimmo, 1971).

L. nogus (Ross)
Sashin Ck, Baranof Is, .viii. (R. J. Ellis) (Ellis, 1978).

L. ornatus Banks
Popof Is, (Banks, 1900); Amara Lk, marsh, Kodiak Is, 16-30.vi.62 (G. E. Ball) (Lindroth & Ball, 1969).

L. pallens (Banks)
Brooks Lk, (Flint, 1966); Demarkation Pt, 30.vi. (W. S. Brooks) *MCZ*, (Banks, 1920—as *Zaporota*).

L. partitus Walker
Ft Yukon, 30.vii.79 (A. P. Nimmo) *CNC*; SE Alaska, (Vineyard, 1981).

L. parvulus (Banks)
Palmer, 28.v.79 (D. P. Bleicher) *USDA Palmer*; Eklutna, 1.vi.56 (R. H. Washburn) *USDA Palmer*.

L. perjurus (Hagen)
Popof Is, (Banks, 1900); Kenai Is, (Hagen, 1861).

L. picturatus McLachlan
Nunivak, 21.viii.59 (R. H. Washburn) *USDA Palmer*; Mekoryuk, 25.viii.59, 29.viii.60 (R. H. Washburn) *USDA Palmer*; St Mathew Is, 19.viii.54 (R. Rausch); St George Is, (Banks, 1900—as *kinkaidi* Banks); St Paul Is, (van Duzee, 1921—as *kinkaidi* Banks).

L. saltus Denning
SE Alaska, (Vineyard, 1981).

L. sansoni Banks
Palmer, 28.viii.59, *USDA Palmer*.

L. santanus Ross
Clear Ck, Hwy 2, 93.8 km W Delta, 28.vii.79 (DEAD) (A. P. Nimmo) *CNC*.

L. secludens Banks
Kalskag, 12.viii.57 (R. H. Washburn) *USDA Palmer*.

L. sericeus (Say)
Thane, 5.vii.58 (W.V.F.) *USDA Palmer*; Homer, 17.viii.53, *USDA Palmer*; Palmer, 12.viii.60 (R. H. Washburn) *USDA Palmer*; SE Alaska, (Vineyard 1981).

L. sitchensis (Kolenati)
Sashin Ck, Baranof Is, .viii. (R. J. Ellis) (Ellis, 1978); Amara Lk, marsh, Kodiak Is, 16-30.vi.62 (G. E. Ball) (Lindroth & Ball, 1969); Bare Lk, Kodiak Is, 16-30.vi.62 (C. H. Lindroth) (Lindroth & Ball, 1969); Popof Is, (Banks, 1900); Sitka, (Kolenati, 1859—as *Goniotaulius*); N Fork Staney Ck, Prince of Wales Is, 17.viii.78 (P. Cardinal) *UM*.

L. stigma Curtis
Palmer, 20.viii.55 (R. H. Washburn) *USDA Palmer*; Mekoryuk, Nunivak Is, 16., 29.viii.60 (R. H. Washburn) *USDA Palmer*, and *USNM*.

Nemotaulius hostilis (Hagen)
Amara Lk, marsh, Kodiak Is, 16-30.vi.62 (G. E. Ball) (Lindroth & Ball, 1969); Warm Chuck Lk, Heceta Is, 1.vii.81 (J.K.) *VIN*.

Neophylax rickeri Milne
SE Alaska, (Vineyard, 1981); Staney Ck, Prince of Wales Is, 25.viii.-3.ix.77 (P. Cardinal) *UM*.

Neothremma sp.
The genus is reported from Dietrich R., (67°45'N, 149°45'W) on the south slope of the Brooks range, on the basis of larvae (Slack, Nauman, & Tilley, 1977).
Similarly, Vineyard (1981) reports this genus from SE Alaska.

Oligophlebodes sierra Ross
SE Alaska, (Vineyard, 1981).

Onocosmoecus alascensis (Banks)
Idatarod, 29.viii., 1.viii., *MCZ*.
The status of this species is uncertain at present.

O. unicolor (Banks)
Hwy 3, creek at mile 140, 2.viii.79 (A. P. Nimmo) *CNC*; Clear Ck, Hwy 2, 93.8 km W Delta, 28.vii.79 (A. P. Nimmo) *CNC*; Trapper Ck, Hwy 3, 2.viii.79 (A. P. Nimmo) *CNC*; Hwy 3, creek 171.2 km S Fairbanks, 31.viii.79 (A. P. Nimmo) *CNC*; Summit Ck, Hwy 1, S Portage, Kenai Peninsula, 3.viii.79 (A. P. Nimmo) *CNC*, Bear Ck, Hwy 2, 73.1 km W Tok, 28.vii.79 (A. P. Nimmo) *CNC*; Trap Bay, Chichagof Is, 5.viii.80 (C. Bothello); Palmer, 2.viii.61 (R. H. Washburn) *USDA Palmer*; Sashin Ck, Baranof Is, .vii-x. (R. J. Ellis) (Ellis, 1978); Amara Lk, marsh, Kodiak Is, 16-30.vi.62 (G. E. Ball) (Lindroth & Ball, 1969); Wrench Ck, Noatah R., 4.viii.81 (S. T. Elliott) *VIN*; Noatah R., nr mouth Kuguroruk R., 31.vii.81, *VIN*; Staney Ck, Prince of Wales Is, 29.viii-3.ix.77 (P. Cardinal) *UM*.

Psychoglypha alascensis (Banks)
Granite Ck, 12.viii.58 (W.N.F.) *USDA Palmer*; Ketchican, 7.xii.55, .x-xii.57 (R. H. Washburn) *USDA Palmer*; Fairbanks, 14.viii.61 (R. H. Washburn) *USDA Palmer*; Palmer, 21.ix.61 (R. H. Washburn) *USDA Palmer*; SE Alaska, (Vineyard, 1981).

P. subborealis (Banks)
Trap Bay, Chicagof Is, 15.viii.80 (R. N. Vineyard) *VIN*; Homer, 20.iv.54, *USDA Palmer*; Matanuska, 24.iv.74 (D. P. Bleicher) *USDA Palmer*; Ketchikan, .v.59, .vii.60 (R. H. Washburn) *USDA Palmer*; Palmer, 23.iv.57, *USDA Palmer*; Juneau, .x.62, .v.74 (R. J. Ellis) (Ellis, 1978); Sashin Ck, Baranof Is, 6.vi. (R. J. Ellis) (Ellis, 1978).

Family Molannidae

Molanna flavicornis Banks
Moose Lk, 22.4 km W Tok, 8.viii.81 (S. T. Elliott) *VIN*.

Molannodes tinctus (Zetterstedt)
Paradise Lk, nr Wasilla, 26.vi.50 (G. O. Berg) (Ross, 1952); Bare Lk, marsh, Kodiak Is, 16-30.vi.62 (G. E. Ball) (Lindroth & Ball, 1969).

Family Pholopotamidae

Dolophilodes paliidipes (Banks)
Kari Ck, Steamer Bay, Etolin Is. 21.ix.78 (D.K.); Pinguicula Lk, Kodiak Is, 16-30.vi.62 (C. H. Lindroth) (Lindroth & Ball, 1969); SE Alaska, (Vineyard, 1981).

D. sp.
Vineyard (1981) records a possible new species from SE Alaska.

Family Phryganeidae

Agrypnia deflata (Hagen)
Staney Ck, Prince of Wales Is, 2-10.viii.78 (P. Cardinal) *UM*; Drury Farm, lake, 1.3 km N on Freeman Rd, Fairbanks, 30.vii.79 (A. P. Nimmo) *CNC*.

A. glacialis Hagen
Pinguicula Lk, marsh, Kodiak Is, 16-30.vi.62 (G. E. Ball) (Lindroth & Ball, 1969); Amara Lk, marsh, Kodiak Is, 16-30.vi.62 (G. E. Ball) (Lindroth & Ball, 1969); SE Alaska, (Vineyard, 1981).

A. improba (Hagen)
Gene's Lk, Kenai Peninsula, 21.vi.54 (R. Rausch); Warm Chuck Lk, Heceta Is, 1.vii.81 (J.K.) *VIN*.

A. straminea (Hagen)
Palmer, 28.vii.61 (R. H. Washburn) *USDA Palmer*; Big Lk, nr Wasilla, 23.viii.55 (R. Rausch) *INHS*; Moose Lk, 22.4 km W Tok, 8.vii.81 (R. N. Vineyard) *VIN*.

Banksiola crotchi Banks
Tranquil Lk, Baranof Is, 28.vii.76 (R. N. Vineyard) *VIN*; Warm Chuck Lk, Heceta Is, 1.vii.81 (J.K.) *VIN*.

B. sp.
Specimens of *Banksiola* have been recorded from Point Barrow by Weber (1950), but no specific identification is given.

Oligotricha lapponica (Hagen)
Kukak Bay, (Betten, 1934—as *Neuronia*).

Phryganea cinerea (Walker)
Matanuska, 21.vii.79 (D. P. Bliecher) *USDA Palmer*; Palmer, 27.vii.61 (R. H. Washburn) *USDA Palmer*; Big Lk, nr Wasilla, 18.viii.55 (R. Rausch) *INHS*.

Ptilostomis occelifera (Walker)
Sashin Ck, Baranof Is, 9., 13.vii. (R. J. Ellis) (Ellis, 1978); Staney Ck, Prince of Wales Is, 2.vi.-13.viii.78 (P. Cardinal) *UM*.

Family Polycentropodidae

Neureclipsis bimaculata (L.)
Holy Cross, 28.vi, 2.vii.51 (C. O. Berg) *INHS*; Pilot station, lower Yukon R., 13.viii.51 (C. O. Berg) *INHS*.

Nyctiopylax moestus Banks
Warm Chuck Ck, Heceta Is, 1.vii.81 (J.K.) *VIN*.

Polycentropus cinereus Hagen
Big Lk, nr Wasilla, 3.vii.55 (D. H. Hilliard) *INHS*; Big Lk, nr Wasilla, 23.viii.55 (R. Rausch) *INHS*.

P. flavus (Banks)
Fire Ck, Palmer Hwy, 25.6 km N Anchorage, 1.vii.40 (D. A. Sleeper) *INHS*; Upper Gulkana R., (I. O. Schuman) *INHS*; Barnes Lk, 48 km from mouth of Stikine R., 20.vii.79 (J. Koerner).

P. halidus Milne
Sashin Ck, Baranof Is, 30.viii.71 (R. J. Ellis) (Ellis, 1978).

P. remotus Banks
Charley R., 0.8 km from mouth, 13.vii.74 (D.G.H.) *INHS*; North Fork Staney Ck, Prince of Wales Is, 30.vii.77 (P. Cardinal) *EMMS*; SE Alaska, (Vineyard, 1981).

Family Rhyacophilidae

Rhyacophila alberta Banks
Sashin Ck, Baranof Is, .viii-ix. (R. J. Ellis) (Ellis, 1978); Ketchikan, 10.ix.16, (Banks, 1918).

R. chilsia Denning
SE Alaska, (Vineyard, 1981).

R. grandis Banks
Sashin Ck, Baranof Is, 12.vii. (R. J. Ellis) (Ellis, 1978).

R. kinkaidi Schmid
Alaska, (Anderson, 1976); SE Alaska, (Vineyard, 1981).

R. narvae Navás
Sashin Ck, Baranof Is, .vii-viii. (R. J. Ellis) (Ellis, 1978).

R. rickeri Ross
Sashin Ck, Baranof Is, 1.ix. (R. J. Ellis) (Ellis, 1978); Reed Ck, Snow Bird Mine, Talkeetna Mts, nr Palmer, 12.x.50 (D. A. Sleeper) (Schmid, 1981).

R. tucula Ross
Summit Ck, Hwy 1, S Portage, Kenai Peninsula, 3.viii.79 (A. P. Nimmo) *CNC*; SE Alaska, (Vineyard, 1981); Staney Ck, Prince of Wales Is, 3-5.viii.78 (P. Cardinal) *UM*.

R. vaccua Milne
Sashin Ck, Baranof Is, .viii. (R. J. Ellis) (Ellis, 1978); Staney Ck, Prince of Wales Is, 4.viii.-5.ix.77 (P. Cardinal) *UM*.

R. vagrita Milne
Staney Ck, Prince of Wales Is, 3-17.viii.78 (P. Cardinal) *UM*.

R. valuma Milne
SE Alaska, (Vineyard, 1981).

R. vao Milne
Sashin Ck, Baranof Is, .viii. (R. J. Ellis) (Ellis, 1978); Ft Yukon, 30.vi.16 (J. A. Kutsche) (Denning, 1948).

R. vepulsa Milne
Alaska, (Nimmo, 1971).

R. verrula Milne
Sashin Ck, Baranof Is, 29.viii., 4.x. (R. J. Ellis) (Ellis, 1978).

R. vobara Milne
SE Alaska, (Vineyard, 1981).

R. vofixa Milne
Summit Ck, Hwy 1, S Portage, Kenai Peninsula, 3.viii.79 (A. Nimmo) *CNC*; Hwy 3, creek 2.5 km S East Fork Chilitna R., 2.viii.79 (A. P. Nimmo) *CNC*; SE Alaska, (Vineyard, 1981).

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